



B/7

SEQUENCE LISTING

<110> Yamaguchi, Kyoji
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Kobayashi, Fumie
Washida, Naohiro
Takahashi, Ken
Morinaga, Tomonori
Higashio, Kanji

<120> Novel Protein and Method for Producing the Protein

<130> FJN-070

<140> US 09/202,455

<141> 1998-12-15

<150> JP 97808/1997

<151> 1997-04-15

<150> JP 151434/1997

<151> 1997-06-09

<150> JP 217897/1997

<151> 1997-08-12

<150> JP 224803/1997

<151> 1997-08-21

<150> JP 332241/1997

<151> 1997-12-02

<150> WO PCT/JP98/01728

<151> 1998-04-15

<160> 19

<170> PatentIn Ver. 2.0

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<211> 316

<212> PRT

<213> Mus musculus

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B

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Ser	Glu	Asp	Ser	Thr	His	Cys	Phe	Tyr	Arg	Ile	Leu	Arg	Leu	His	Glu	85	90	95
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Gly	Ser	His	Lys	Val	Thr	Leu	Ser	Ser	Trp	Tyr	His	Asp	Arg	Gly	Trp	180	185	190
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Gln	Asp	Gly	Phe	Tyr	Tyr	Leu	Tyr	Ala	Asn	Ile	Cys	Phe	Arg	His	His	210	215	220
Glu	Thr	Ser	Gly	Ser	Val	Pro	Thr	Asp	Tyr	Leu	Gln	Leu	Met	Val	Tyr	225	230	235
Val	Val	Lys	Thr	Ser	Ile	Lys	Ile	Pro	Ser	Ser	His	Asn	Leu	Met	Lys	245	250	255
Gly	Gly	Ser	Thr	Lys	Asn	Trp	Ser	Gly	Asn	Ser	Glu	Phe	His	Phe	Tyr	260	265	270
Ser	Ile	Asn	Val	Gly	Gly	Phe	Phe	Lys	Leu	Arg	Ala	Gly	Glu	Glu	Ile	275	280	285
Ser	Ile	Gln	Val	Ser	Asn	Pro	Ser	Leu	Leu	Asp	Pro	Asp	Gln	Asp	Ala	290	295	300
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<210> 4
<211> 17
<212> DNA
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<400> 4
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<210> 5
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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:primer

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<210> 6

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<210> 10

<211> 33

<212> DNA

<213> Artificial Sequence

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<210> 11

<211> 317

<212> PRT

<213> Homo sapiens

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35 40 45

Phe Val Ala Leu Leu Gly Leu Gly Leu Gly Gln Val Val Cys Ser Val
50 55 60

Ala Leu Phe Phe Tyr Phe Arg Ala Gln Met Asp Pro Asn Arg Ile Ser
65 70 75 80

Glu Asp Gly Thr His Cys Ile Tyr Arg Ile Leu Arg Leu His Glu Asn
85 90 95

Ala Asp Phe Gln Asp Thr Thr Leu Glu Ser Gln Asp Thr Lys Leu Ile
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Pro Asp Ser Cys Arg Arg Ile Lys Gln Ala Phe Gln Gly Ala Val Gln
115 120 125

Lys Glu Leu Gln His Ile Val Gly Ser Gln His Ile Arg Ala Glu Lys
130 135 140

Ala Met Val Asp Gly Ser Trp Leu Asp Leu Ala Lys Arg Ser Lys Leu
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Glu Ala Gln Pro Phe Ala His Leu Thr Ile Asn Ala Thr Asp Ile Pro
165 170 175

Ser Gly Ser His Lys Val Ser Leu Ser Ser Trp Tyr His Asp Arg Gly
180 185 190

Trp Ala Lys Ile Ser Asn Met Thr Phe Ser Asn Gly Lys Leu Ile Val
195 200 205

Asn Gln Asp Gly Phe Tyr Tyr Leu Tyr Ala Asn Ile Cys Phe Arg His
210 215 220

His Glu Thr Ser Gly Asp Leu Ala Thr Glu Tyr Leu Gln Leu Met Val
225 230 235 240

Tyr Val Thr Lys Thr Ser Ile Lys Ile Pro Ser Ser His Thr Leu Met
245 250 255

Lys Gly Gly Ser Thr Lys Tyr Trp Ser Gly Asn Ser Glu Phe His Phe
260 265 270

Tyr Ser Ile Asn Val Gly Gly Phe Phe Lys Leu Arg Ser Gly Glu Glu
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Ile Ser Ile Glu Val Ser Asn Pro Ser Leu Leu Asp Pro Asp Gln Asp
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Ala Thr Tyr Phe Gly Ala Phe Lys Val Arg Asp Ile Asp
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<210> 12
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<212> DNA
<213> Homo sapiens

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<211> 27
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<213> Artificial Sequence

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<223> Description of Artificial Sequence:human OBM SF

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<210> 14
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34

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<212> PRT
<213> Mus musculus

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35 40 45
Ala Phe Gln Gly Ala Val Gln Lys Glu Leu Gln His Ile Val Gly Pro
50 55 60
Gln Arg Phe Ser Gly Ala Pro Ala Met Met Glu Gly Ser Trp Leu Asp
65 70 75 80
Val Ala Gln Arg Gly Lys Pro Glu Ala Gln Pro Phe Ala His Leu Thr
85 90 95
Ile Asn Ala Ala Ser Ile Pro Ser Gly Ser His Lys Val Thr Leu Ser
100 105 110
Ser Trp Tyr His Asp Arg Gly Trp Ala Lys Ile Ser Asn Met Thr Leu
115 120 125

Ser Asn Gly Lys Leu Arg Val Asn Gln Asp Gly Phe Tyr Tyr Leu Tyr
 130 135 140
 Ala Asn Ile Cys Phe Arg His His Glu Thr Ser Gly Ser Val Pro Thr
 145 150 155 160
 Asp Tyr Leu Gln Leu Met Val Tyr Val Val Lys Thr Ser Ile Lys Ile
 165 170 175
 Pro Ser Ser His Asn Leu Met Lys Gly Gly Ser Thr Lys Asn Trp Ser
 180 185 190
 Gly Asn Ser Glu Phe His Phe Tyr Ser Ile Asn Val Gly Gly Phe Phe
 195 200 205
 Lys Leu Arg Ala Gly Glu Glu Ile Ser Ile Gln Val Ser Asn Pro Ser
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 Gln Asp Ile Asp

<210> 17
 <211> 246
 <212> PRT
 <213> Homo sapiens

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 35 40 45
 Lys Gln Ala Phe Gln Gly Ala Val Gln Lys Glu Leu Gln His Ile Val
 50 55 60
 Gly Ser Gln His Ile Arg Ala Glu Lys Ala Met Val Asp Gly Ser Trp
 65 70 75 80
 Leu Asp Leu Ala Lys Arg Ser Lys Leu Glu Ala Gln Pro Phe Ala His
 85 90 95
 Leu Thr Ile Asn Ala Thr Asp Ile Pro Ser Gly Ser His Lys Val Ser
 100 105 110
 Leu Ser Ser Trp Tyr His Asp Arg Gly Trp Ala Lys Ile Ser Asn Met
 115 120 125
 Thr Phe Ser Asn Gly Lys Leu Ile Val Asn Gln Asp Gly Phe Tyr Tyr
 130 135 140

Leu Tyr Ala Asn Ile Cys Phe Arg His His Glu Thr Ser Gly Asp Leu
145 150 155 160

Ala Thr Glu Tyr Leu Gln Leu Met Val Tyr Val Thr Lys Thr Ser Ile
165 170 175

Lys Ile Pro Ser Ser His Thr Leu Met Lys Gly Gly Ser Thr Lys Tyr
180 185 190

Trp Ser Gly Asn Ser Glu Phe His Phe Tyr Ser Ile Asn Val Gly Gly
195 200 205

Phe Phe Lys Leu Arg Ser Gly Glu Glu Ile Ser Ile Glu Val Ser Asn
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<213> Mus musculus

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<211> 741

<212> DNA

<213> Homo sapiens

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